

AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING - MANUFACTURING

□ P.O. BOX 265
OGDENSBURG
NEW YORK
13669
(315) 472-5270

BOX 5120, STN. "F"
OTTAWA, ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
FAX: (613) 226-2802

Model AV-143-IBMA

Specifications

The Model AV-143-IBMA amplifier is designed to amplify positive baseband pulses in the pulse width range of about 100 nsec and higher. The basic specifications for the unit are as follows:

Gain:	x5 (voltage)
Bandwidth:	DC to 20 MHz
Peak output voltage (to 1000 ohms or higher):	+25 volts
Rise time:	≤ 50 nsec
Input impedance:	50 ohms
Prime power:	+24 V, 350 mA (max)
Connectors:	SMA
Size:	1.7 x 2.6 x 4.3 inches

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December 11, 1991.

Nathan Caswell
IBM Corporation
T.J. Watson Research Center
P.O. Box 218
Yorktown Heights, NY 10598

Tel: 914-681-5515
Fax: 914-681-5576

Dear Nathan:

Following our telephone conversation of December 10, I am pleased to provide a price and delivery quotation for a special purpose amplifier meeting the following specifications:

Model designation: AV-143-IBMA.

Voltage gain: x5. Non-inverting. Accepts +5 volt input pulse and provides +25 volt output pulse to a high load impedance ($R_L > 1 K$).

Maximum output: +25 volts.

Rise time: ≤ 50 ns.

Bandwidth: DC to 20 MHz.

Input impedance: 50 ohms.

Prime power: +24V DC, 500 mA max.

Package size and material: 1.7" x 2.6" x 4.3", cast aluminum, blue enamel finish. Suitable for "briefcase" environment.

Input and output connectors: SMA.

DC input connector: Solder terminal.

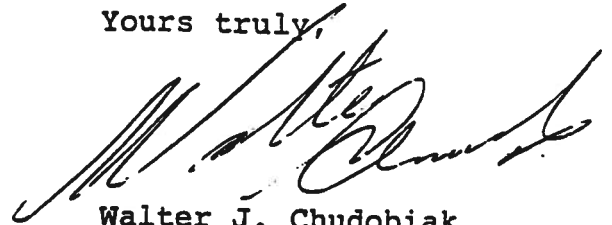
Other: See standard Model AV-143, page 94,
Cat. No. 8.

Price: \$1,298.00 US,
FOB destination (i.e. on your
doorstep).

Delivery: 1 week ARO.

Thank you for your interest in our products. Please call me again if you require any additional information or modifications to the above quotation.

Yours truly,



Walter J. Chudobiak
Chief Engineer

WJC:pr
Encl. Cat. No. 8
Price list

12.19.91